

## **ABSTRACT**

Systems and methods are described that provide global positioning system (GPS) enabled wireless communications. The wireless communications system provides a switching module that is adapted to couple communications circuitry to a first antenna or a second antenna as a function of communications characteristics of the first antenna or the second antenna. The switching module is also adapted to couple GPS circuitry to a first antenna or a second antenna as a function of GPS reception characteristics of the first antenna or the second antenna. The switching module may also provide the communications circuitry and the GPS circuitry with simultaneous access to different antennas.